

Abstract

INSTALLATION FOR MAKING A NONWOVEN TEXTILE WEB AND METHOD
FOR USING SUCH AN INSTALLATION

The invention concerns an installation comprising at least an extruder for melted organic polymer feeding a die for producing a curtain of filaments; a cooling zone for providing at least surface solidification of said extruded filaments; a suction device in the form of a narrow chamber with rectangular cross-section, wherein the curtain of filaments is subjected to the action of high speed air streams causing the filaments to be drawn; means for deflecting and slowing down the air flow at the outlet of the drawing slot and for distributing the filaments homogeneously on a receiving belt. The invention is characterised in that the means for producing the different operational phases, namely the extruding means, the cooling means, the filament drawing assembly and the distributing means, are separate from one another and can be individually adjusted, not only based on the production to be obtained (type of polymers, elementary yarn count of filaments produced, weight per unit area of the web produced), but also at the beginning of production.

10009133-012902